



Express Mail No. EV 366 597 905 US

PATENT

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant: Wies *et al.*  
Serial No.: 10/092,158  
Filing Date: March 5, 2002  
For: DEFINING FORCE SENSATIONS ASSOCIATED WITH  
GRAPHICAL IMAGES  
Examiner: Geckil, Mehmet B.  
Art Unit: 2142

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Alexandria, VA 22313-1450

Technology Center 2100

Sir:

**SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT**

Pursuant to 37 C.F.R. §§ 1.56, 1.97, and 1.98, Applicants submit herewith on Form PTO/SB/08a a listing of documents known to the Applicants and/or their attorney.

Applicants respectfully requests consideration of the cited documents and making the same of record in the prosecution of the above-identified application. In so doing, Applicants do not waive any rights to take appropriate action to establish patentability over the listed documents should they be applied as references against the claims of the present application. Copies of the documents are enclosed.

This statement should not be construed as a representation that more material information does not exist or that a search of the relevant art has been made. It is respectfully requested that the references listed on the attached form PTO/SB/08a be expressly considered by the Examiner, made of record in the application, and appear among the "References Cited" on any patent to issue therefrom.

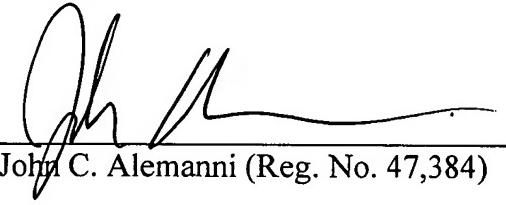
06/16/2004 LWONDIM1 00000084 10092158  
01 FC:1806 180.00 OP

This Information Disclosure Statement is being submitted before the mailing date of a Notice of Allowance in this application. No item of information contained in the information disclosure statement was known to any individual designated in § 1.56(c) more than three months prior to the filing of the information disclosure statement. In accordance with the requirements of 37 C.F.R. § 1.97(d), please find attached a check in the amount of \$180.00 to cover the fee set forth in 37 C.F.R. § 1.17p. The Commissioner is authorized to charge any additional fees to Deposit Account 16-1435. A duplicate of this document is attached for that purpose.

Respectfully submitted,

Date:

Jun 10, 2004

  
John C. Alemanni (Reg. No. 47,384)

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PTO/SB/08a (08-03)

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## **SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT**

*(Use as many sheets as necessary)*

Sheet 1 of 2

Complete if Known		
Application Number	10/092,158	
Filing Date	March 5, 2002	
First Named Inventor	Wies et al.	JUN 1 2004
Art Unit	2142	
Examiner Name	Geckil, Mehmet B.	
Attorney Docket Number	Technology Center 2100 IMM062C	

## U.S. PATENT DOCUMENTS

Examiner Initials *	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code <sup>2</sup> (if known)			
	1	5,880,731	3/9/1999	Liles, et al.	
	2	5,907,677	5/25/1999	Glenn, et al.	
	3	5,933,599	8/3/1999	Nolan	
	4	5,956,484	9/21/1999	Rosenberg, et al.	
	5	6,076,100	6/13/2000	Cottrille, et al.	
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	13	6,342,880	1/29/2002	Rosenberg, et al.	
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## FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>8</sup>
		Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> (if known)				

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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.<sup>1</sup> Applicant's unique citation designation number (optional).<sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04.<sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3).<sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.<sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible.<sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

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## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet

2

of

2

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NON PATENT LITERATURE DOCUMENTS				
Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.		T <sup>2</sup>
	24	MANIA, Katerina, et al., A Classification for User Embodiment in Collaborative Virtual Environments; <a href="http://www.cs.bris.ac.uk/Tools/Reports/Abstracts/1998-mania.html">www.cs.bris.ac.uk/Tools/Reports/Abstracts/1998 – mania.html</a> printed 6/9/2004		
	25	BOUGUILA, Laroussi, et al., Effect of Coupling Haptics and Stereopsis on Depth in Virtual Environment, pp. 54-62; <a href="http://www.dcs.gla.ac.uk/~stephen/workshops/haptic/papers/bougilia-paper.pdf">www.dcs.gla.ac.uk/~stephen/workshops/haptic/papers/bougilia-paper.pdf</a> printed 6/9/2004		
	26	Real Time Graphics, Vol 7, No. 2; Computer Graphics Systems Development Corp., August 1998, pp. 1-20; <a href="http://www.cgso.com/rtgAug98.pdf">www.cgso.com/rtgAug98.pdf</a> printed 6/9/2004		
	27	BENFORD, Steve, et al., eRENA – Deliverable 7b.1 Pushing Mixed Reality Boundaries, February 1999; <a href="http://www.nada.kth.se/erena/pdf/D7b_1.pdf">www.nada.kth.se/erena/pdf/D7b_1.pdf</a> printed 6/9/2004		
	28	PAO, Lucy, et al., Synergistic Visual/Haptic Computer Interfaces, May 1998, pp. 155-162; <a href="http://schof.colorado.edu/~pao/anonftp/Vietnam.ps">schof.colorado.edu/~pao/anonftp/Vietnam.ps</a> printed 6/9/2004		
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	30	Virtual Reality (VR) Development at SERI (Korea), pp. 1-9, 1998; <a href="http://www.atip.org/public/atip.reports.98/atip98.059r.html">www.atip.org/public/atip.reports.98/atip98.059r.html</a> printed 6/9/2004		

Examiner Signature	Date Considered
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<sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>Applicant is to place a check mark here if English language Translation is attached.

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